

PRODUCT HIGHLIGHTS

- REACH & RoHS 2 compliant.
- Made in USA.
- Guaranteed minimum performance.
- Tested from 1 to 660 MHz.
- UL Verified TIA-568-D.2 Category 6A.
- UL Verified (UL B627696) for long term water submersion.
- UL Listed for use in plenum areas.
- UV resistant jacket.
- Specifically designed for below-grade conduit or other environments where water is likely to infiltrate.
- Resistant to over 2,000 chemicals.
- No-gel construction simplifies termination.
- DryBit® Barrier ensures optimum electrical performance even in harsh environments.
- Available in both UTP and FUTP.

TEMPERATURE RANGE

- **Storage Temperature**
-40°C to +70°C
(-40°F to +158°F)
- **Installation Temperature**
0°C to +60°C
(+32°F to +140°F)
- **Operation Temperature**
-40°C to +75°C
(-40°F to +167°F)

APPLICATIONS

- 10 Gigabit Ethernet (IEEE 802.3an)
- 5 Gigabit Ethernet (IEEE 802.3bz)
- 2.5 Gigabit Ethernet (IEEE 802.3bz)
- Gigabit Ethernet (IEEE 802.3ab)
- 100 Mbps Ethernet (IEEE 802.3u)
- 1000 Mbps ATM
- 622 Mbps ATM
- 15W PoE (IEEE 802.3af)
- 30W PoE+ (IEEE 802.3at)
- 60W PoE++ (IEEE 802.3bt Type 3)
- 100W PoE++ (IEEE 802.3bt Type 4)

PACKAGING

- 1,000 feet (305 m)
- Unit/pallet: 12 Reels
CMP Carton Weight (lbs): 23.66
CMP Product Weight (lbs): 20.36

Plenum

Primary Insulation: Plenum-rated fluoropolymer
Overall Jacket: Low-smoke, flame-retardant thermoplastic
Star Filler: Flame-retardant thermoplastic

Cat6 DryBit® Indoor-Outdoor CMP Part Specifications

	Part Number	# of Pairs	Calculated Cable O.D.		Cable Weight		c(UL)us Listed Type
			inches	mm	lbs/1000ft	kg/305 m	
PLENUM CMP UTP	30323-8-BK3	4	0.31	7.87	54.7	24.8	c(UL)us Listed Type CMP (UL 910), CSA Type FT6

	Part Number	# of Pairs	Calculated Cable O.D.		Cable Weight		c(UL)us Listed Type
			inches	mm	lbs/1000ft	kg/305 m	
PLENUM CMP F/UTP	30322-8-BK3	4	0.31	7.87	56.0	25.4	c(UL)us Listed Type CMP (UL 910), CSA Type FT6

Building a Part Number

Base Part Number Ex.	No. of Conductors	Jacket Color	Reel Type
30323	8	XX	Y

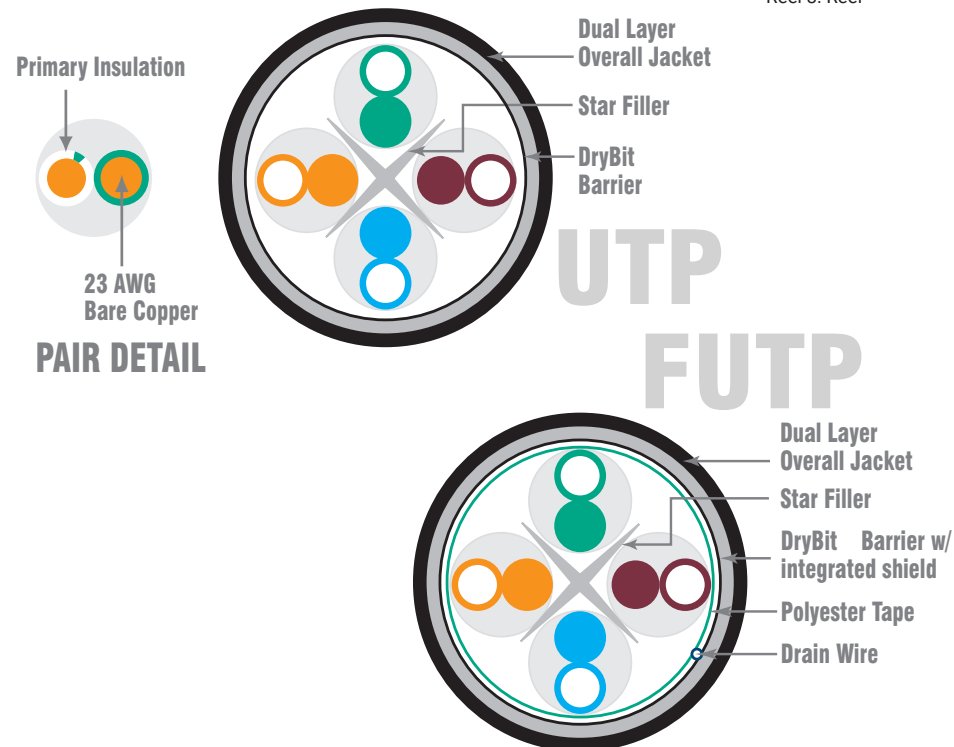
Jacket Colors (XX):

BK Black	BL Blue RAL 5012	GA Gray RAL 7037	GR Green RAL 6032	RD Red RAL 3001	VI Violet RAL 4005	YE Yellow RAL 1032	WH White RAL 9003
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Reel Type (Y):



Reel 2: Reel in Box
Reel 3: Reel



Cat6 DryBit® Indoor-Outdoor CMP Transmission Specifications

ANSI/TIA-568-2-D Category 6A Verified
ISO/IEC 11801, 2nd ed. Class EA Compliant

Freq. (MHz)	Ins. Loss	NEXT	PSNEXT	ACR	PSACR	ACRF	PSACRF	Return Loss	PSANEXT	PSANEXT	PSAACRF	PSAACRF
	Max.	Min.	Min.	Min.	Min.	Min.	Min.		TIA Std.	Min	TIA Std.	Min
1	2.1	74.3	72.3	72.2	70.2	67.8	64.8	20.0	67.0	73.0	67.0	73.0
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0	67.0	73.0	66.2	72.2
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	24.5	67.0	73.0	60.1	66.1
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25.0	67.0	73.0	58.2	64.2
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	25.0	67.0	73.0	54.1	60.1
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	25.0	67.0	73.0	52.2	58.2
25	9.4	53.3	51.3	44.0	42.0	39.8	36.8	2.3	67.0	73.0	50.2	56.2
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	23.6	67.0	73.0	48.3	54.3
62.5	15.0	47.4	45.4	32.4	30.4	31.9	28.9	21.5	65.6	71.6	42.3	48.3
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	20.1	62.5	68.5	38.2	44.2
155	24.1	41.4	39.4	17.4	15.4	24.0	21.0	18.8	59.6	65.6	34.4	40.4
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	18.0	58.0	64.0	32.2	38.2
250	31.1	38.3	36.3	7.3	5.3	19.8	16.8	17.3	56.5	62.5	30.2	36.2
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	16.8	55.3	61.3	28.7	34.7
350	37.2	36.1	34.1	-	-	16.9	13.9	16.3	54.3	60.3	27.3	33.3
400	40.1	35.3	33.3	-	-	15.8	12.8	15.9	53.5	59.3	26.2	32.2
500	45.3	33.8	31.8	-	-	13.8	10.8	15.2	52.0	58.0	24.2	30.2
555*	47.9	33.1	31.1	-	-	12.9	9.9	14.9	51.3	3	23.3	29.3
660*	52.8	32.0	30.0	-	-	11.4	8.4	14.4	50.2	56.2	21.8	27.8

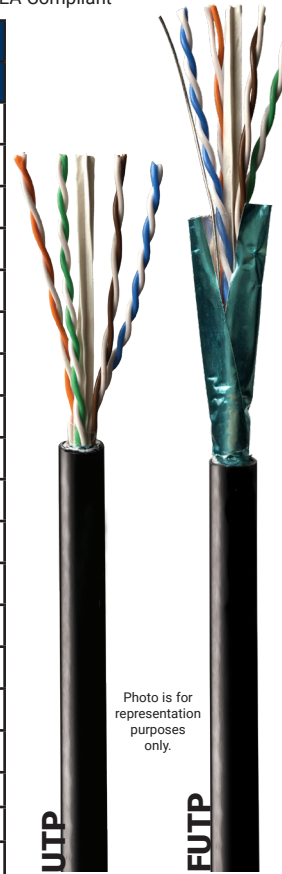


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ELECTRICAL CHARACTERISTICS

Input Impedance:	100 ± 15Ω (1.0 to 250 MHz)
Maximum Conductor Resistance:	9.38 Ω/100 meters @ 20°C
Maximum Resistance Unbalance:	5%
Maximum Capacitance Unbalance:	330 pF/100 meters
Maximum Delay Skew:	45 ns/100 meters
Nominal Velocity Of Propagation (Nvp):	70%, Plenum

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CABLE AMPACITY CHART

Bundle Size	1	2-7	8-19	20-37	38-61	62-91	92-192
Cable Temp	90°C	90°C	90°C	90°C	90°C	90°C	90°C
23 AWG	2.5	1.7	1.2	0.9	0.8	0.8	0.6

*Frequencies beyond the TIA and ISO requirements

Installation Notes:

To ensure safe operation, install cables according to all applicable local and national electrical codes.

"During installation, take precautions to ensure any water present in pathway does not enter the open end of the cable. Water infiltration via the open ends of the cable will negatively impact cable performance and void any applicable product warranty."

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